

DOMESTIC ROTARY LAWNMOWER

OWNER'S MANUAL


Model No: 10024

SAFETY INSTRUCTIONS

- Never mow while barefoot or wearing open sandals or thongs. Wear long trousers and heavy shoes
- Know your controls. Read the owner's manual carefully. Learn how to stop the engine quickly in any emergency
- Make sure the lawn is clear of sticks, stones, bones, wire and debris. They could be thrown by the blade
- Stop the engine and disconnect the spark plug wire before clearing blockages, checking, or working on the mower.
- Before using, always inspect to see that blades, blade bolts and cutter assembly are not worn or damaged. Replace worn or damaged blade to preserve balance.

DAMAGED BLADES AND WORN BOLTS ARE MAJOR HAZARDS.

- Check all nuts, bolts and screws often; always be sure the mower is in a safe operating condition. Use only genuine replacement parts.
- Refuel outdoors only. Do not smoke while fuelling engine. Add fuel before starting the engine. Never remove the cap off the fuel tank or add petrol while the engine is running or the engine is hot. If petrol is spilled, do not attempt to start the engine but move the machine away from the area of the spill and avoid creating any source of ignition until petrol vapours have dissipated.
- Do not mow whilst people, especially children or pets are in the mowing area.
- Replace worn or faulty silencers (muffler)
- Mow only in good daylight.
- Never use the mower unless the grass catcher or guards (rear flap) provided by the manufacturer are in position.
- Start the engine carefully with feet well away from the blade.
- Do not operate the engine in a confined space where exhaust fumes (carbon monoxide) can collect.
- Stop the engine whenever you leave the mower, even for a moment.
- Do not allow children or people unfamiliar with these instructions to use the mower.
- Store the mower in a well-ventilated room away from naked flames such as may be found in hot water heaters.
- Do not over-speed the engine or alter governor settings. Excessive speed is dangerous and shortens the mower life.
- It is advisable to wear suitable eye protection when operating a mower.
- Turn the fuel off at the conclusion of mowing and reduce the throttle setting during engine run-out.
- Store fuel in a cool place in a container specifically designed for the purpose. In general, plastic containers are unsuitable.
- Stop the engine, disconnect the spark plug wire and inspect the mower if :
 - a) the mower begins to vibrate abnormally; or
 - b) after striking a foreign object.
- Never cut grass while walking backwards.
- Stop the engine before pushing the mower across gravel drives, walks or roads.
- Walk, never run.
- Mow across the face of slopes, never up and down. Exercise extreme caution when changing direction on slopes. Do not mow excessively steep slopes.
- Never pick up or carry a mower when it is operating.



	CAUTION
	To avoid engine damage drain the oil and fuel from the engine before turning the lawnmower over in any direction.

INTRODUCTION

Congratulations on your purchase of a Rover Mowers domestic rotary lawnmower.

This manual covers the setting up, operation and maintenance of the Rover domestic rotary lawnmower. Please read and understand this owner's manual before using the mower. If any point is unclear, contact **Rover Mowers** or any **Rover Mowers** authorized service dealer or agent.

To emphasise special information the following WARNING and CAUTION highlights are used.

	WARNING		CAUTION
	The safety of the user and others involved. Personal injury may result should this information be disregarded.		Follow these instructions to avoid mower damage and possible loss of warranty.

MANUAL CONTENTS

	Page
• Safety instructions	1
• Introduction	2
• Setting up	3
• Operation	3, 4 & 5
• Maintenance	5 & 6
• Warranty conditions	7

CARTON CONTENTS:

	Quantity
• Rover domestic rotary lawnmower	1
• Rover owner's manual	1
• Engine manufacturer owner's manual	1
• Fabric grass catcher and metal internal frame	1

If when unpacking your new lawnmower it is found that there are items missing contact your nearest authorized Rover Mowers service dealer or agent.

SETTING UP

Preliminary

- Open the lawn mower cardboard carton carefully folding back the carton top flaps.
- Lift out the fully assembled fabric grass catcher from on top of the lawn mower
- With the aid of a second person carefully lift the lawn mower out of the cardboard carton and place on a level surface.
- Loosen the two handle bar pivot bolt knobs and fold the handle bars out straight, inline with the lower handle bars. Tighten the two handle bar pivot bolt knobs to secure the handle bars in position. Refer to figure 1.
- Remove and discard the white protective packing sheet from the mower.

Handle bar knob

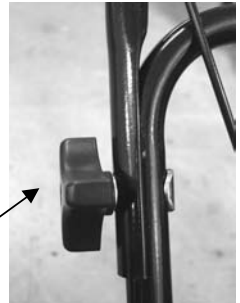


Figure 1. Handle bar pivot bolt knobs

Engine oil

Oil must be added before attempting to start the engine otherwise damage to the engine will occur.

Refer to the engine manufacturer owner's manual


The 4 stroke engine fitted to the Rover lawnmower ***is shipped with no oil*** in the sump.

Engine fuel

Refer to the engine manufacturer owner's manual

Use only fresh unleaded petrol in the lawnmower engine.

OPERATION

	WARNING
	Under normal usage the grass catcher material is subject to deterioration and wear, and should be frequently checked for wear or damage. Replace with a genuine Rover grass catcher if found to be damaged.

Installing the grass catcher- refer figure 2

- Move the throttle control lever to the stop position and wait till the blades come to a complete stop
- Raise the rear flap of the mower with one hand and with the other hand raise and position the grass catcher against the rear of the mower.
- Locate the two hooks on the front of the grass catcher frame over the flap rod extensions on either side of the rear flap.
- Lower the rear flap on to the grass catcher to hold it in position.

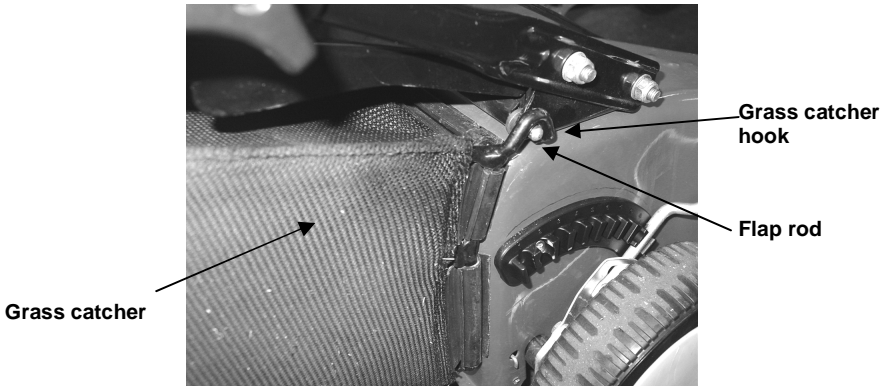



Figure 2. Grass catcher fitment

Removing the grass catcher- refer figure 2

- Move the throttle control lever to the stop position and wait till the blades come to a complete stop
- Raise the rear flap of the mower with one hand and with the other hand lift the grass catcher up and away from the rear of the mower.
- Lower the rear flap against the rear of the mower.

	WARNING
	The grass catcher should only be fitted or removed when the engine is stopped. Never raise the rear flap when the engine is running

Adjusting the height of cut- refer figure 3

The Rover lawnmower has ten height settings controlled by the height adjustment lever located at the rear right hand wheel.

- Grasp the height adjustment lever and pull the lever away from the base to disengage the lever from the height adjustment rack.
- Move the lever either forwards or backwards to the desired position and release the lever so as to engage in the height adjustment rack.

**Height
adjustment rack**

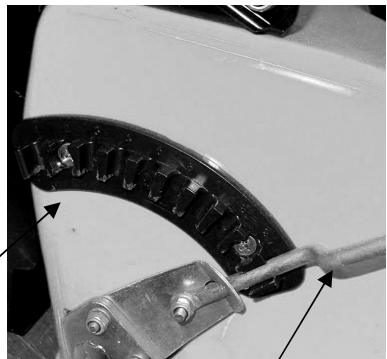



Figure 3. Height adjustment


**Height
adjustment lever**

Starting the engine

Refer to the engine manufacturer owner's manual for detailed starting procedure. Ensure that the engine oil is at the correct level and that the fuel tank is full of fresh unleaded petrol.


- Move the throttle control lever to the "FAST" position. 
- Prime the engine in accordance with the engine manufacturer's instructions
- Grasp the starter cord handle and pull with a quick firm action. Allow the starter cord to recoil back into its housing whilst retaining a grip on the handle. If the engine fails to start repeat till the engine starts

Stopping the engine

Move the throttle control lever to the "STOP" position 

Wait till the engine comes to a complete stop before removing or fitting the grass catcher to the mower or attempting any maintenance work on the mower.

MAINTENANCE

	WARNING
	Before carrying out any maintenance on the mower remove the spark plug lead from the spark plug to prevent accidental starting

Engine air cleaner

Refer to the engine manufacturer owner's manual for detailed maintenance instructions. The engine air cleaner elements must be serviced after every 25 hours of normal mowing. The elements must be serviced more regularly if the mower is used in dusty conditions. Replace immediately if the element is damaged.

Spark plug


Refer to the engine manufacturer owner's manual for detailed maintenance instructions. For best results, remove the spark plug every 50 hours for gap checking and replace every 100 hours of use. Replace the spark plug at any time if it is found that the electrodes are pitted or burned or the porcelain cracked. For replacement refer to engine manufacturer owner's manual for correct spark plug.


Muffler

Check the condition of the muffler periodically for rust and cracks. Replace if found to be damaged as this can lead to increased exhaust noise. Replace only with a genuine original equipment part.

Blade- refer figure 4

Check the condition of the blade and central fastener at regular intervals, or after striking a solid object, or if the mower begins to vibrate abnormally. After striking a solid object check that the blade boss shear pins are intact, if broken replace. The blade with use, will loose it's sharp edge and the quality of the grass finish will deteriorate. When this happens the blade should be removed and sharpened or replaced with a new blade.

	CAUTION
	The blade must be balanced after sharpening

	WARNING
	Blades should only be sharpened and balanced by an authorized service dealer.

Blade removal- refer figure 4

- Remove the spark plug lead from the spark plug
- Fold the upper handle bars forward and tilt the mower back on the lower handle bars with the spark plug upwards and secure safely in position
- Remove the single central retaining bolt and large domed washer and remove the blade from the blade boss. Retain the two loose shear pins between the blade and blade boss.
- Check the condition of the blade and replace the blade if badly damaged or return to an authorized service dealer for blade sharpening and balancing
- Check the condition of the two shear pins and replace if damaged

Blade fitting- refer figure 4

- Remove the spark lead from the spark plug
- Fold the upper handle bars forward and tilt the mower back on it's handle bars with the spark plug upwards and secure safely in position
- Check the condition of all components before fitting to the engine shaft and replace any if damaged
- If the blade boss has been removed from the crankshaft make sure that the key is located in the crankshaft and replace the key if damaged
- Insert the two shear pins into the blade boss
- Fit the blade to the bottom side of the blade boss aligning the two shear pins with the holes in the blade. The flutes at the ends of the blade should be facing into the mower base.
- Fit the centre bolt with the large domed washer through the centre of the blade and into the engine shaft and torque to 57 to 62 Nm. Note: the domed washer must be fitted to the blade with the raised dome pointing away from the blade bottom face
- Lower the mower to the ground and fit the spark plug lead to the spark plug

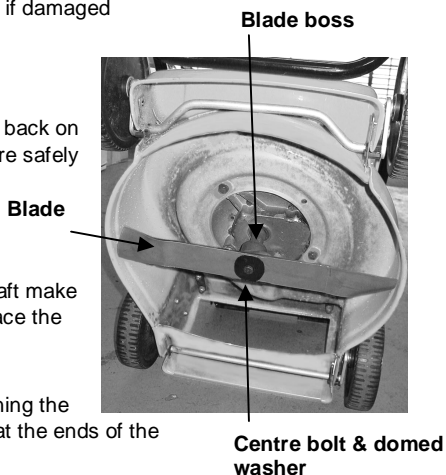



Figure 4. Underside of mower

Cleaning

To prevent the build up of grass under the deck and to maintain the appearance of the mower it should be cleaned at the end of each days mowing.

- Stop the engine and remove the spark plug lead when the blade has stopped
- Remove the grass catcher and tilt the mower back on it's handle bars
- Hose the underside of the mower housing to remove all grass build up
- Lower the mower to the ground and fit the spark plug lead to the spark plug
- Hose the fabric grass catcher inside and out to remove all grass debris and hang up to dry before storage

	CAUTION
	Do not hose the engine as water can damage the air cleaner and ignition system

Warranty Conditions Australia & New Zealand Only

Rover Mowers Limited warrant that this machine is free from defects in material and workmanship. This warranty is limited to making good or replacing any part which appears upon inspection by the manufacturer or his agent to be defective in material or workmanship.

The engine used to power this machine is warranted by the manufacturer whose warranty statement has been included with the machine. As the warranty for the engine may differ from the warranty for the other components, you are advised to read the engine manufacturer's warranty carefully.

For other items this warranty shall apply for a period of 12 months from date of purchase for domestic use only. However these items are **not** warranted for commercial or industrial use.

This warranty does not obligate the manufacturer, his agents or dealers to bear the transport costs incurred in the repair or replacement of any defective part. This warranty excludes fair wear and tear, or any damage caused by misuse or abuse. Parts such as blades, blade bolts, and spark plugs, which can be subjected to use beyond their normal intended working capacity are also excluded.

This warranty is void if parts other than genuine have been used or if repairs or alterations have been made without the manufacturer's written authority. The above warranty does not exclude any condition or warranty implied by the Trade Practices Act 1974 or any other relevant legislation which implies any condition which cannot be excluded.

REMEMBER:

PROOF OF PURCHASE IS THE RESPONSIBILITY OF THE OWNER AND IS NECESSARY PRIOR TO WARRANTY WORK BEING UNDERTAKEN. REPAIRS MUST BE CARRIED OUT BY AN AUTHORISED DEALER OR AGENT AND GENUINE SPARE PARTS MUST BE USED OR YOUR WARRANTY WILL BE VOID.

Rover Mowers Limited reserves the right to make changes and add improvements to its product at any time without notice or obligation. The Company also reserves the right to discontinue manufacture of any product at its discretion at any time.

For your Record:

Retailers Name:Address:
Phone No:Model No:
Serial No:Date of Purchase:



A.B.N. 11 000 257 303

Rover Mowers Limited, PO. Box 1235, Eagle Farm. Qld. Australia. 4009
Phone: 07 3213 0233
PO. Box 58-774, Greenmount, Auckland. New Zealand.
Phone: 09 274 7400

04016507

Revision A

© Copyright
2005